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INE		ATION DISCL	OSLIDE	Applic	ation Number	10/656,358
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Sheet	1	of	5	Attorne	ey Docket Number	S-100,543
Examiner Initials	Cite No.	<u>Document Number</u> Number - Kind Code ² (# known)	Publication C MM-DD-YY		Name of Patentee or Applicant of Cited Oocument	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Ü/	1	US-5,171,534	12-19	92	Smi.th	
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Examiner Initials	Cite No.	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
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EXAMINER: Initial if reference considered, whicher or not citation is in conformance with MPEP 609. Draw line through citation (if not in conformance and not considered. Include copy of this form with next communication to applicant..

Applicants unique citation designation number (optional).

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Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO		-	Co	mplete if Known
INF	ORMATION I	DISC	LOSURE	Application Number	10/656,358
	ATEMENT BY			Filing Date	09/04/2003
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Sheet	2	of	5	Attorney Docket Number	S-100,543

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (when known)	T²
,	6	Product insert/literature: "GC-RICH PCR System", Roche Diagnostics GmbH	
Vi/		No Dade Frov. de l	
	7	Kumari and Anji, 2001, "Sequencing Through GC-rich and AT-rich Sequences with the SequiTherm TM EXCEL TM II DNA Sequencing Kit" Epicentre Technologies technical journal 8(3): 9.	
	8	Grunenwald, 2002, "Unlike Other PCR Products, the FailSafe PCR System Amplifies a GC-Rich Template and a 20-Kb Template on the first Try" Epicentre Technologies technical journal 9(3):3.	
	9	Sequencing Protocol, Epicentre Technologies, "SequiTherm EXCEL IM II DNA Sequencing Kit-LC, for 25-41cm gels. No Date Prov. Ild	
	10	Sequencing Protocol, Epicentre Technologies, "SequiTherm EXCEL IM II DNA Sequencing Kit-LC, for 66 cm gels.	
	11	Epicentre Technologies, "Tech Tips: SequiTherm M Cycle Sequencing Kit for Manual Sequencing of DNA.	
	12	Chakrabarti and Schutt, 2001, "The enhancement of PCR amplification by low molecular-weight sulfones" Gene 274:293-298.	
	13	Majlingova et al., 2003, "Successful PCR amplification and subcloning of a GC-rich DNA fragment" Qiagen news 1: 18-19.	
	14	Web pages concerning DNA Sequencing Trouble-Shooting: Sequencing GC Rich Regions and Hairpins. No Determine Provided	
W	15	Product information concerning 7-Deaza-dGTP, Roche Applied Science 2003/2004.	
Examiner Signature		Date Considered /0/0%	

 $^{^{\}rm 1}$ Applicant's unique citation designation number (optional). ${\rm T^2}$ Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO			Co	molete if Known	
INF	FORMATION D	DISC	LOSURE	Application Number	10/656,358	
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Sheet	3	of	5	Attorney Docket Number	S-100,543	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (when known)	T ²
14	16	SANGER et al., 1977, Proc. Natl. Acad. Sci. U.S.A., 74: 5463.	
	17	SANGER et al., 1980, J. Mol. Biol., 143:161-78;	
	18	SCHREIER et al., 1979, J. Mol. Biol., 129:169-72;	
	19	SMITH et al., 1985, Nucleic Acids Research, 13:2399-2412;	
	20	SMITH et al., 1987, Nature, 321:674-79;	
	21	PROBER et al., 1987, Science, 238:336-41;	
	22	1987, Section II, Meth. Enzymol., 155:51-334;	
	23	CHURCH et al., 1988, Science, 240:185-88;	-
-	24	SWERDLOW et al., 1989, Nucleic Acids Research, 18: 1415-19;	·
	25	RUIZ-MARTINEZ et al., 1993, Anal. Chem., 2851-58;	
1	26	STUDIER, 1989, PNAS, 86:6917-21;	
Examiner Signature		Date Considered / 0 / 15	

¹ Applicant's unique citation designation number (optional).
T² Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/PTO			Co.	mplete if Known
INI	FORMATION D	DISC	OSURE	Application Number	10/656,358
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Sheet	4	of	5	Attorney Docket Number	S-100,543

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (when known)	T²
W	27	KIELECZAWA et al., Science, 258:1787-91; 1992	
	28	CONNELL et al., 1987, Biotechniques, 5:342-348;	
	29	MAXAM et al., 1977, Proc. Natl. Acad. Sci. USA, 74:560-564;	
	30	SMITH et al., 1986, Nature 321:674-679.	
	31	LEE et al., 1992, Nucleic Acid Research 20:2471;	
	32	MURRAY, 1989, Nucleic Acids Research 17:8889;	
	33	BURGETT et al., 1994, In: Automated DNA Sequencing and Analysis, ed. Adams et al., Academic Press, San Diego, CA, pp. 211-215;	
	34	LANDRE et al., 1995, In: PCR Strategies, ed. Innis et al., Academic Press, San Diego, CA, pp. 3-16;	
	35	HENKE et al., 1997, Nucleic Acids Res. 25:3957-3958;	
	36	BASKARAN et al., 1996, Genome Res. 6: 633-638;	
W	37	INNIS, 1990, In: PCR Protocols: A Guide to Methods and Applications, ed. Innis et al., Academic Press, San Diego, CA, pp. 54-59;	
Examiner Signature		N Date Considered 10/05	

 $^{^{1}}$ Applicant's unique citation designation number (optional). T^{2} Applicant is to place a check mark here if English language Translation is attached.

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Initials	No. item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (when known)						
W	38	FERNANDEZ-RACHUBINSKI et al., 1990, DNA Seq. 1: 137-140;					
	39	Automated DNA Sequencing, Chemistry Guide (Applied Biosystems Inc., 2000);					
	40	TABOR AND RICHARDSON, 1995, Proc. Natl. Acad. Sci. USA 92: 6339-6343;					
	41	EWING AND GREEN, 1998, Genome Research 8: 186-194;					
W	42	EWING et al., 1998, Genome Research 8: 175-185.					
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Applicant's unique citation designation number (optional).
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